

Title (en)

METHOD, COMPUTER PROGRAM AND DEVICE FOR MEASURING THE AMOUNT INJECTED BY AN INJECTION SYSTEM

Title (de)

VERFAHREN, COMPUTERPROGRAMM UND VORRICHTUNG ZUM MESSEN DER EINSPRITZMENGE VON EINSPRITZSYSTEMEN

Title (fr)

PROCEDE, PROGRAMME INFORMATIQUE ET DISPOSITIF POUR MESURER LE VOLUME INJECTE PAR DES SYSTEMES D'INJECTION

Publication

EP 1368620 B1 20080827 (DE)

Application

EP 02721987 A 20020305

Priority

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Abstract (en)

[origin: WO02070996A2] In order to measure the amount injected (V_m) by an injection system (18), particularly in an internal combustion engine, a test fluid (22) is injected into a measuring chamber (12) by the injection system (18). The volume in the measuring chamber (12) is kept constant during injection so that measuring precision and stability of the measurement increases. Additionally, a gas volume (V_g) is provided in the measuring chamber (12). The injected volume (V_m) of the test fluid (22) is determined from the alteration in pressure (dP) in the measuring chamber (12) which is produced when injecting the test fluid (22). The injected volume (V_m) is determined by state equation for ideal gases.

IPC 8 full level

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